

REMARKS/ARGUMENTS

In response to the Examiner's (*Ex Parte Quayle*) Office Action of February 24, 2005 the Applicant submits the accompanying Amendments to the specification and claims and the below Remarks directed thereto.

Claims 1-15 are currently pending in the present application. In the Amendments: the first line of page 1 of the present specification is amended to include reference to the granted patent number of USSN 10/160,273, as required by the Examiner, and also to include the continuation details of USSN 10/160,273;

the second and third full paragraphs of page 8 of the present specification are amended to correctly refer to --contact layers 20-- in place of "contact layers 22", as required by the Examiner, and to --drive circuitry layer 16-- in place of "drive circuitry layer 16";

claim 5 is amended to depend from claim 1; and
claims 1-4 and 6-15 are unchanged.

It is respectfully submitted that the above amendments do not add new matter to the present application.

The Applicant appreciates the Examiner's indication as to the allowability of claims 1-15 under the conditions stated in the Office Action.

Drawing Objections

Contrary to the Examiner's contentions regarding reference number 28 not appearing in the drawings of the present application, it is respectfully submitted that the reference number 28 which is described in the third full paragraph of page 8, the last paragraph of page 9 and the first two paragraphs of page 10 of the present specification as being the opening through the layer of silicon nitride 26 to the contact layers 20 is clearly shown in Fig. 6 as being such an opening through the layer 26 to the layers 20.

Specification Objections

It is respectfully submitted that the above-described amendments to page 1 of the specification to incorporate reference to US Patent No. 6,746,105 for the parent application USSN 10/160,273 to the present application, and to US Patent No. 6,416,167 for the grandparent application USSN 09/112,767 (now below the title) provides the correction required by the Examiner.

Further, it is respectfully submitted that the above-described amendments to page 8 of the specification to replace "contact layers 22" with --contact layers 20-- provides the correction required by the Examiner.

Claim Objections

It is respectfully submitted that the above-described amendments to claim 5 to make it dependent from claim 1 instead of claim 4 overcomes the Examiner's objection thereto. It is noted that claim 5 is directed to a "thermal bend actuator" whereas claim 4 is directed to a "thermal actuator" which is "configured to expand due to self-heating when a current is passed therethrough".

It is respectfully submitted that all of the Examiner's objections have been traversed. Accordingly, it is submitted that the present application is in condition for allowance and reconsideration of the present application is respectfully requested.

Very respectfully,

Applicant:



KIA SILVERBROOK

C/o: Silverbrook Research Pty Ltd
393 Darling Street
Balmain NSW 2041, Australia

Email: kia.silverbrook@silverbrookresearch.com
Telephone: +612 9818 6633
Facsimile: +61 2 9555 7762